Install MySQL

Summary: in this tutorial, you will learn how to install MySQL server and its related products on Windows using the MySQL Installer.

After the tutorial, you will have a MySQL server and its tools up and running on your system for learning and practicing.

Note that for other operating systems like Linux and Ubuntu, refer to the following tutorials:

- [Install MySQL 8 on CentOS 7](#)
- [Install MySQL 8 on Ubuntu](#)

Download MySQL Installer

If you want to install MySQL on Windows, you can use the MySQL Installer. The MySQL Installer provides you with an easy-to-use wizard that helps you to install MySQL with the following main products:

- MySQL Server
- MySQL Workbench
- MySQL Shell
- MySQL Documentation
- All Available Connectors

To download the MySQL installer, go to the following link http://dev.mysql.com/downloads/installer/.

We'll use the MySQL Installer 8.0.34 to install the MySQL Server and related products such as MySQL Workbench and MySQL Shell.
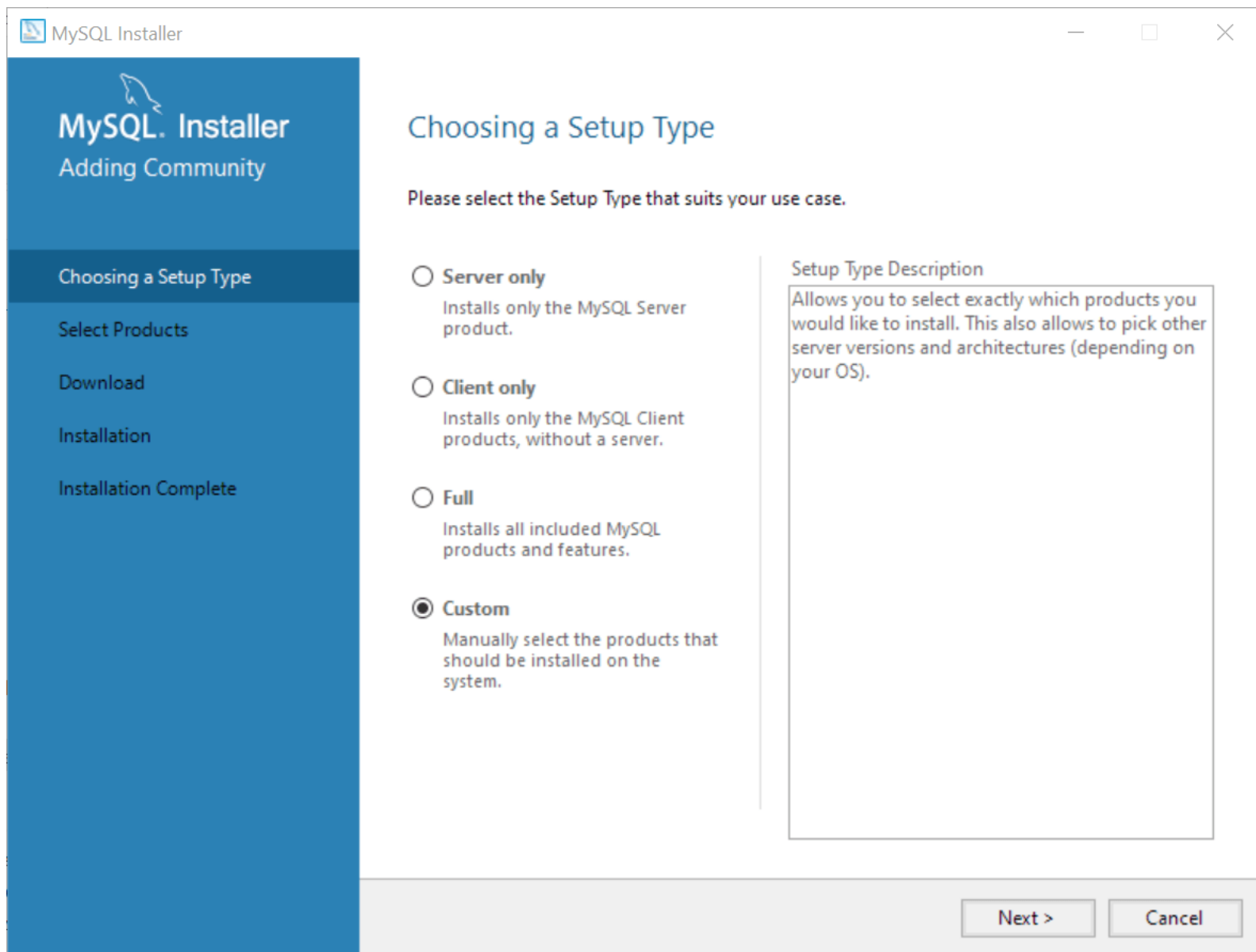
Install MySQL Server & related products using MySQL Installer

To install MySQL using the MySQL installer, double-click on the MySQL Installer file and follow the steps below:
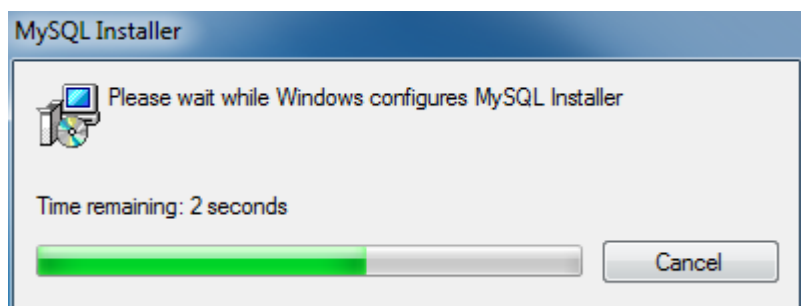
Step 1: Choosing a setup type

In this step, you need to choose the setup type that suits your use case. For tutorial purposes, you can select the last option which is **Custom** setup type:

Step 2. Selecting products

Since we chose the **Custom** setup type, the MySQL Installer displays available products for us to select to install.

We'll install the following products:

- **MySQL Server** – This is the MySQL Database Server.
- **MySQL Workbench** – This is the client tool for interacting with the MySQL Database Server via GUI.
- **MySQL Shell** – This is an interactive Javascript, Python, or SQL interface supporting development and administration for the MySQL Server.

To select these products, you click the + icon on the left pane, select the product, and click the right arrow button.

Here are the paths to the selected products:

- MySQL Servers > MySQL Server > MySQL Server 8.0 > MySQL Server 8.0.34 – x64
- Applications > MySQL Workbench > MySQL Workbench 8.0 > MySQL Workbench 8.0.34 – X64
- Applications > MySQL Shell > MySQL Shell 8.0 > MySQL Shell 8.0.34 – X64

Once you select the products, you click the **Next** button to continue.
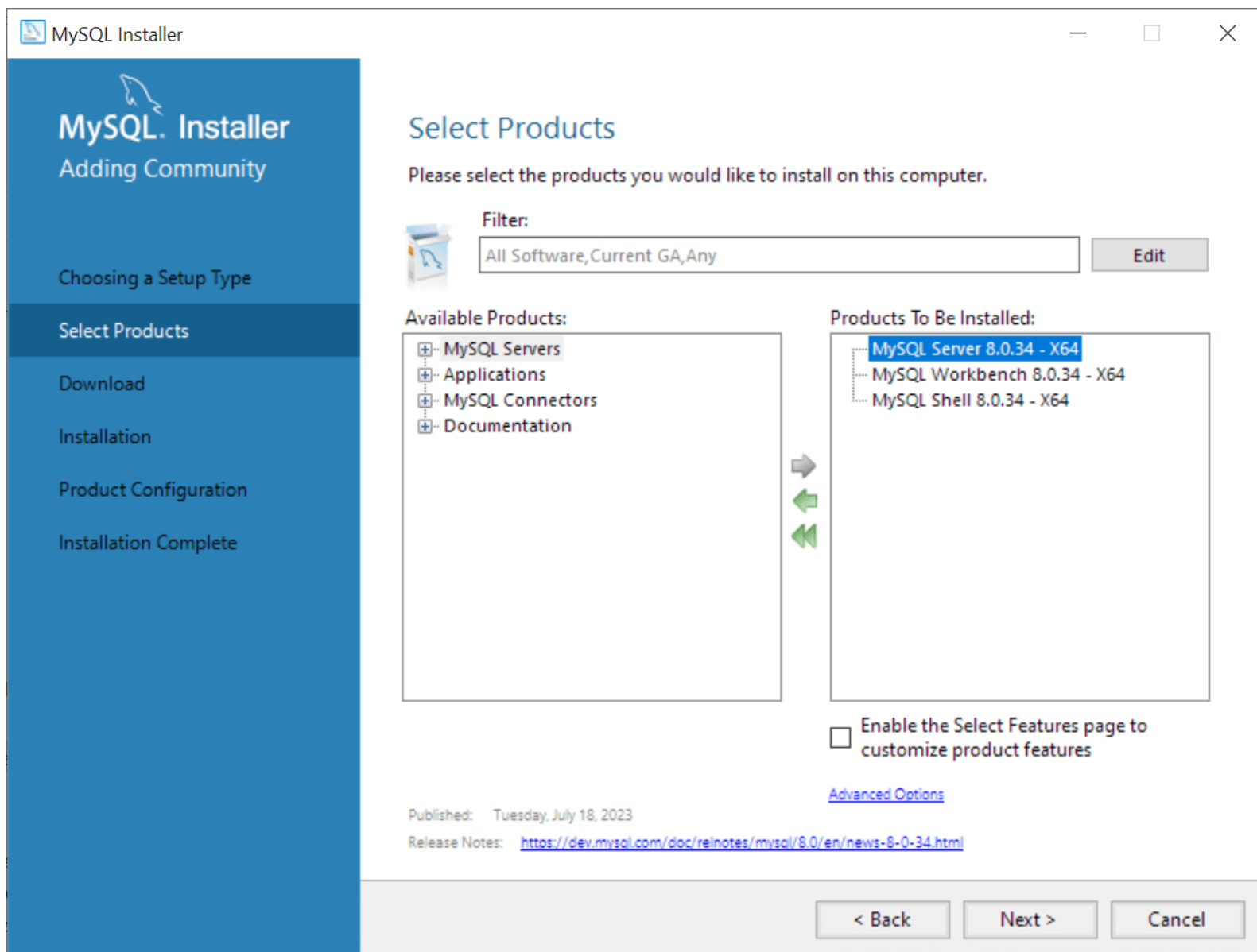
Step 3. Downloading the selected products

The MySQL Installer will download the selected products from the internet. Please ensure you have an active internet connection and wait for a few minutes for the download to complete.

MySQL. Installer
Adding Community

- Choosing a Setup Type
- Select Products
- **Download**
- Installation
- Product Configuration
- Installation Complete

Download

The following products will be downloaded.

Product	Arch	Status	Progress	Not
MySQL Server 8.0.34	X64	Ready to download		
MySQL Workbench 8.0.34	X64	Ready to download		
MySQL Shell 8.0.34	X64	Ready to download		

Click [Execute] to download the following packages.
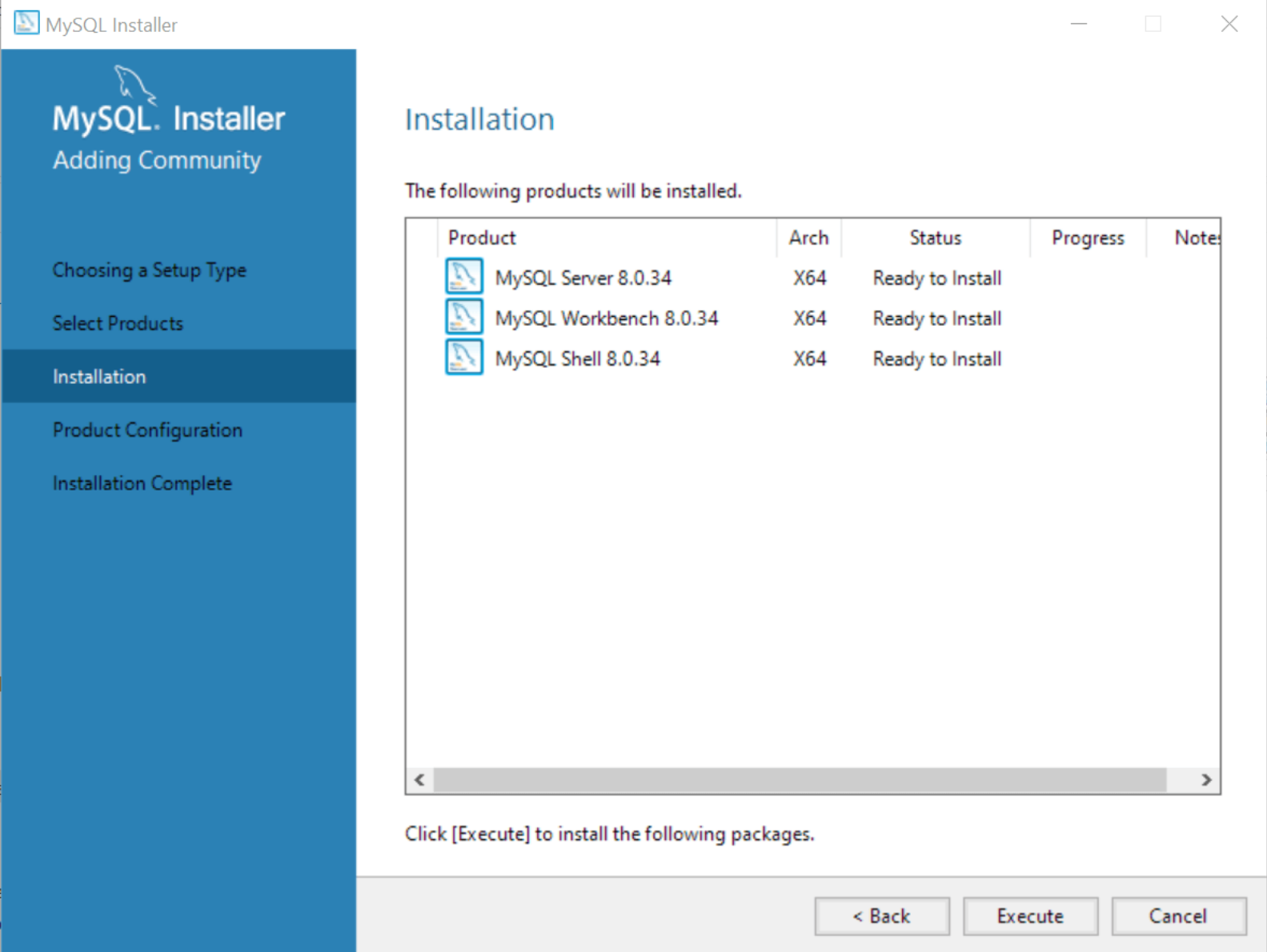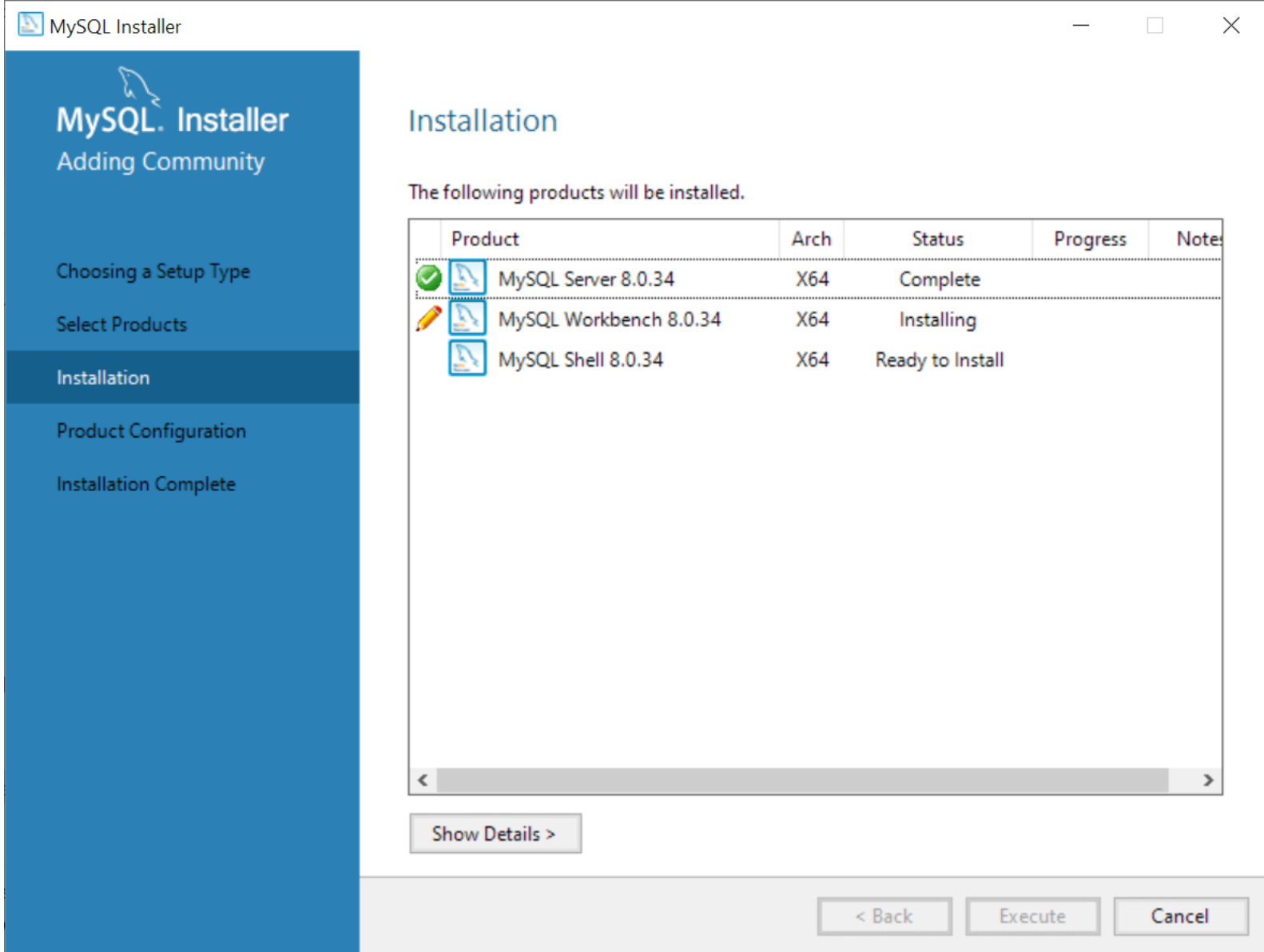
< Back   Execute   Cancel
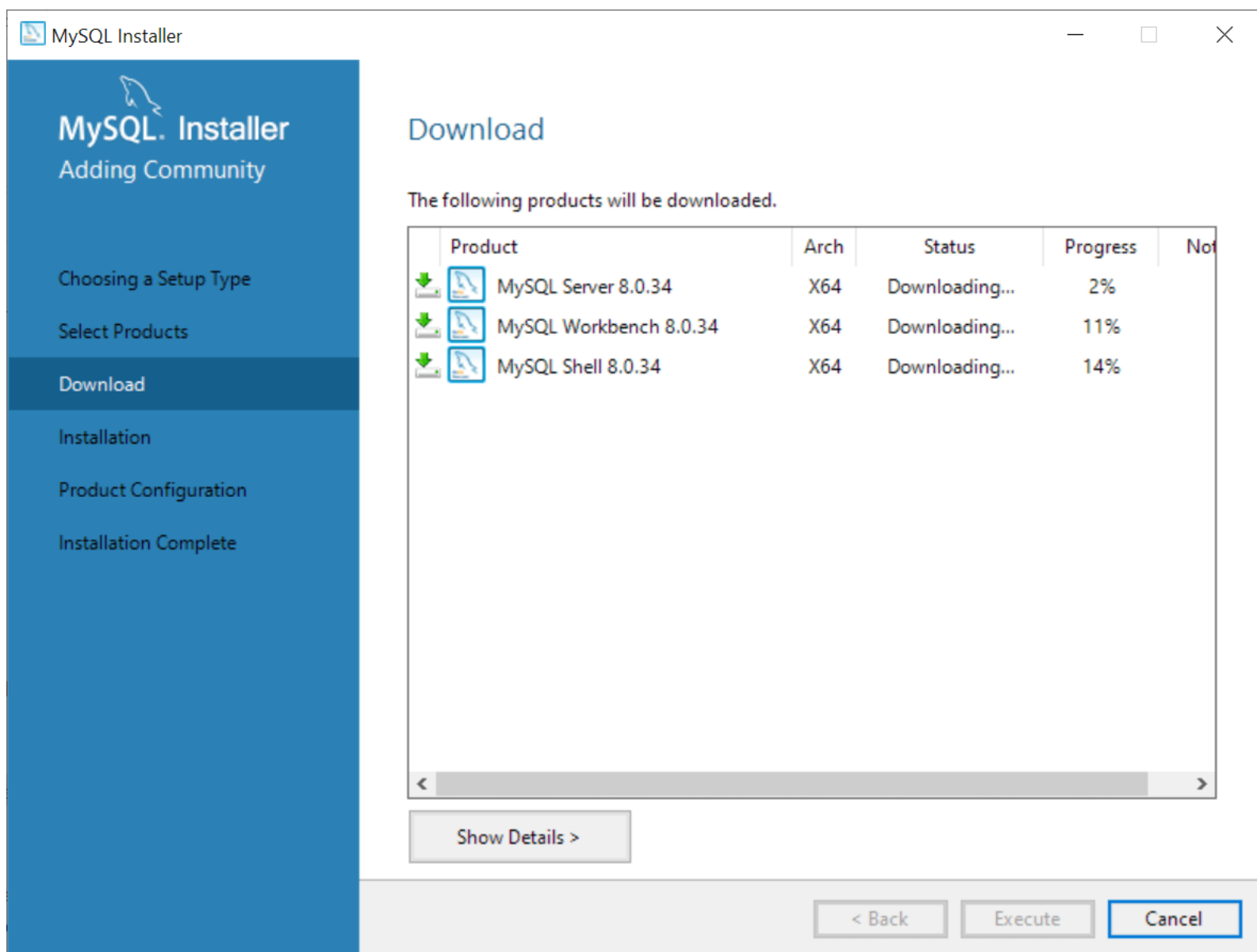
After the download is complete, click the **Execute** button to start the installation.

Step 4. Installing the selected products

The MySQL Installer will install the selected products and this process may some time.

After the installation is complete, click the **Next** button to proceed to the Product Configuration.
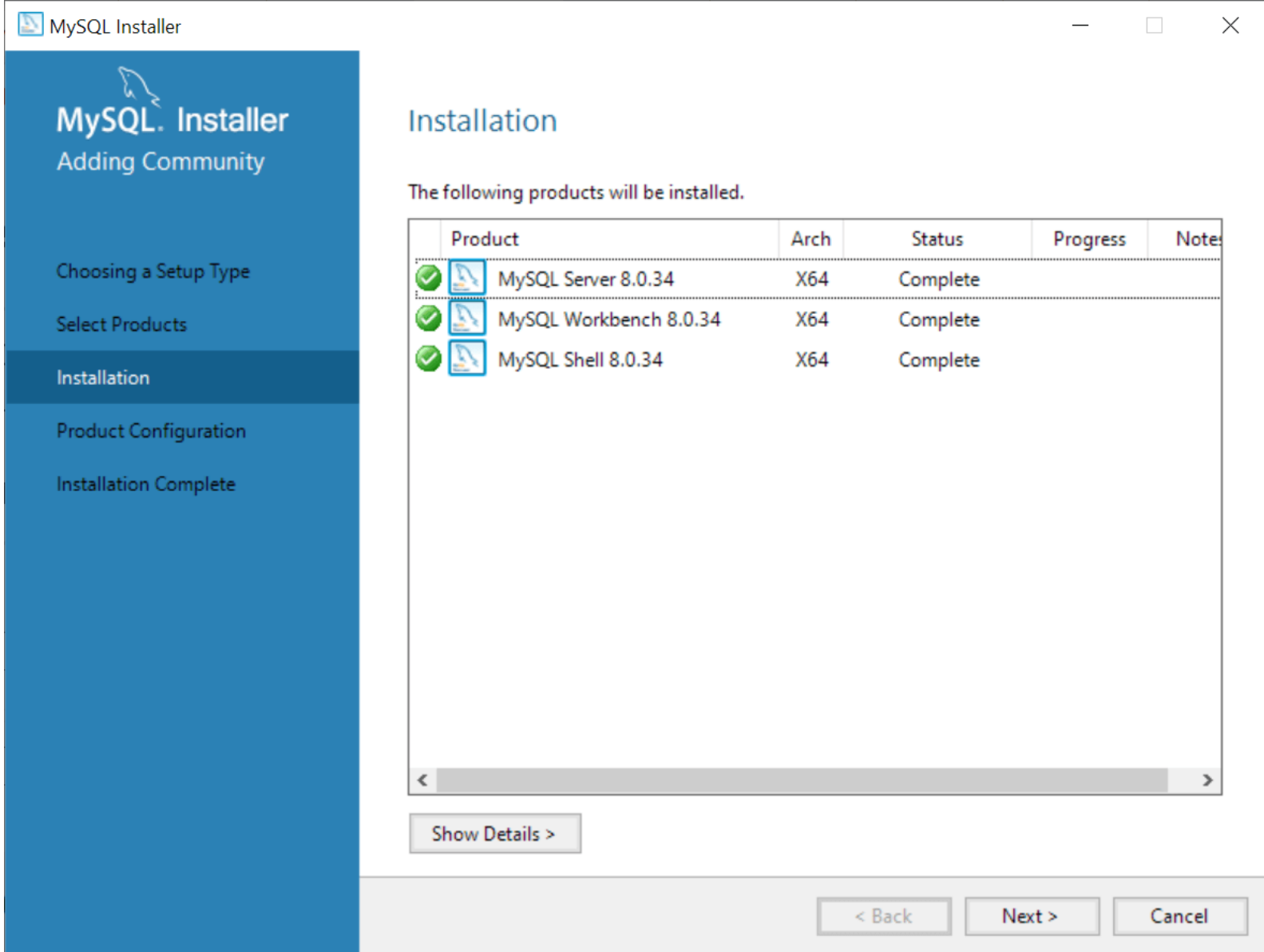
Step 5. Configuring the MySQL Server
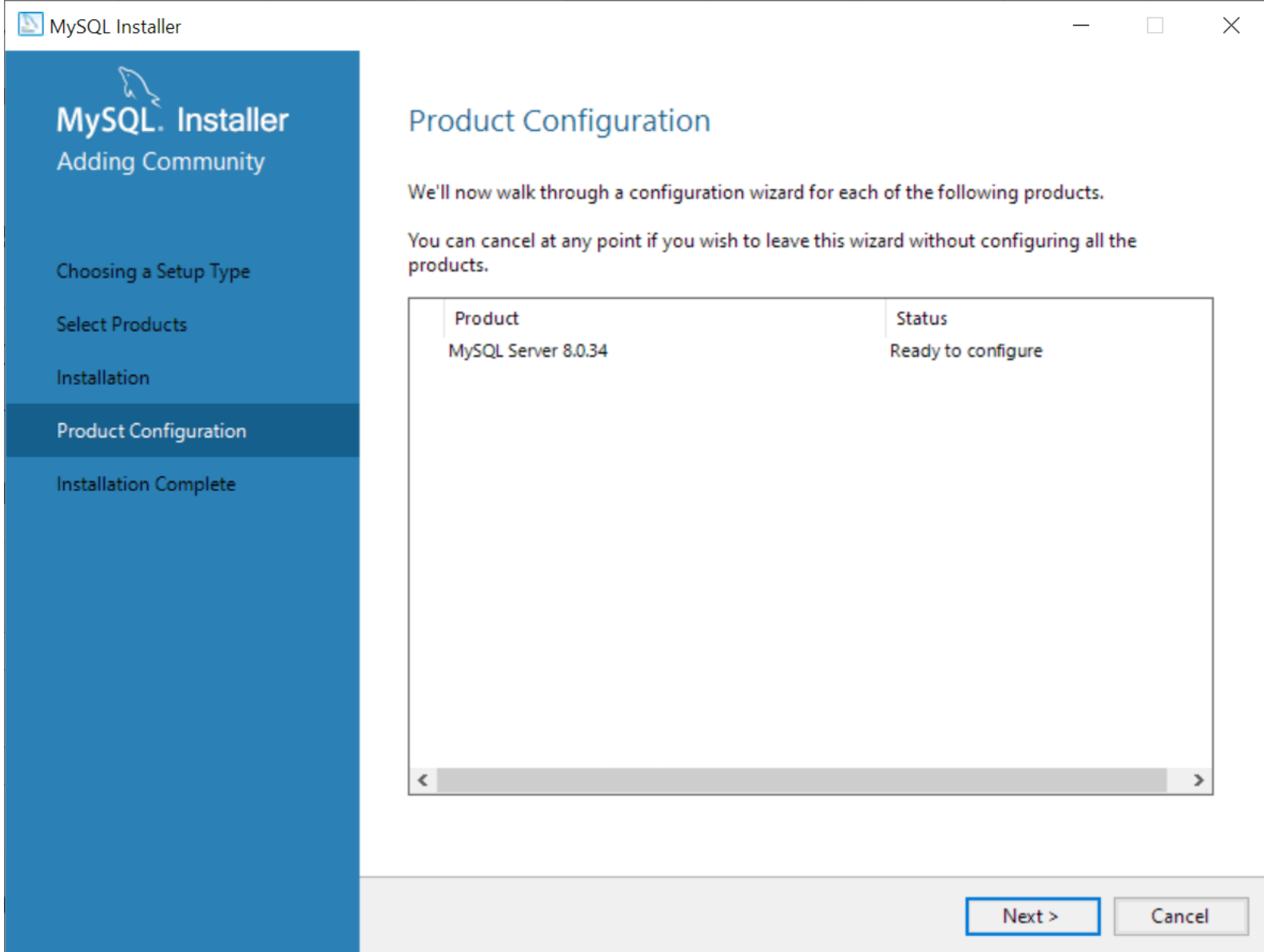
In this step, configure the MySQL Server. Choose the **Development Computer** for the server configuration type, leave the other options as they are, and click the **Next** button.
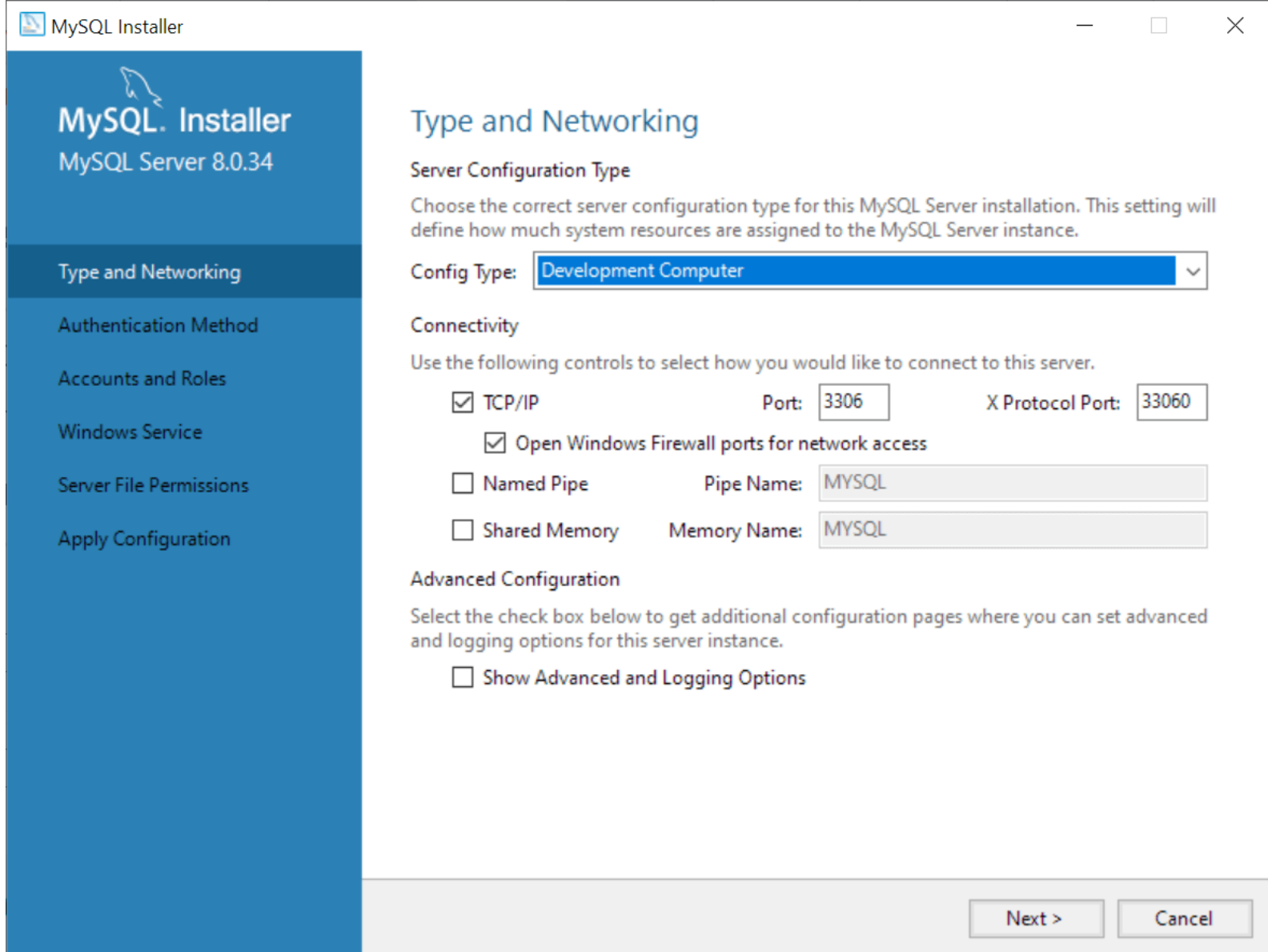
Step 6. Choosing an authentication method

It's recommended to use strong password encryption for authentication, which is the first option.

Authentication Method

◉ Use Strong Password Encryption for Authentication (RECOMMENDED)

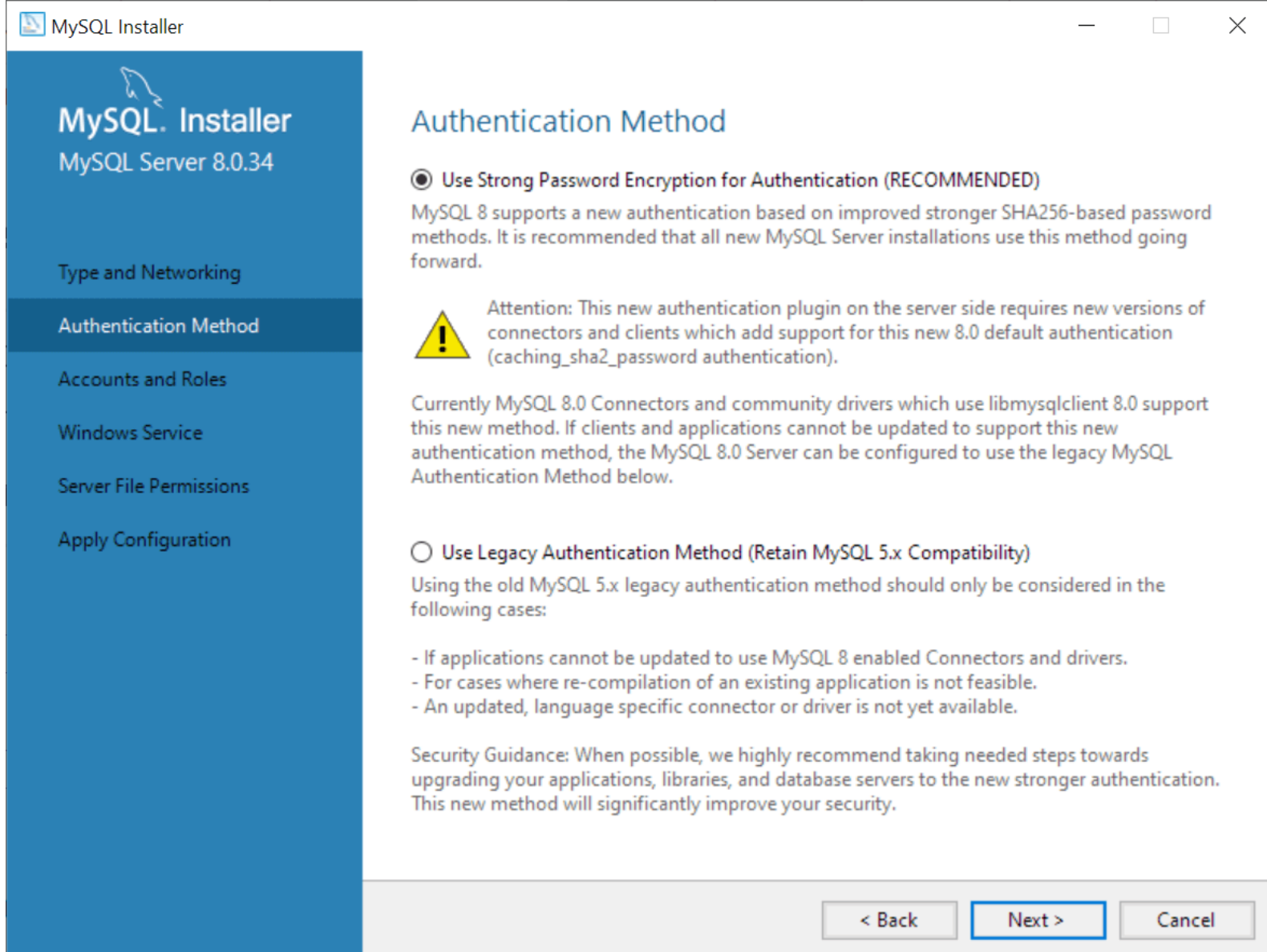MySQL 8 supports a new authentication based on improved stronger SHA256-based password methods. It is recommended that all new MySQL Server installations use this method going forward.

⚠ Attention: This new authentication plugin on the server side requires new versions of connectors and clients which add support for this new 8.0 default authentication (caching_sha2_password authentication).

Currently MySQL 8.0 Connectors and community drivers which use libmysqlclient 8.0 support this new method. If clients and applications cannot be updated to support this new authentication method, the MySQL 8.0 Server can be configured to use the legacy MySQL Authentication Method below.

○ Use Legacy Authentication Method (Retain MySQL 5.x Compatibility)

Using the old MySQL 5.x legacy authentication method should only be considered in the following cases:

- If applications cannot be updated to use MySQL 8 enabled Connectors and drivers.
- For cases where re-compilation of an existing application is not feasible.
- An updated, language specific connector or driver is not yet available.

Security Guidance: When possible, we highly recommend taking needed steps towards upgrading your applications, libraries, and database servers to the new stronger authentication. This new method will significantly improve your security.

< Back   Next >   Cancel

Step 7. Entering a password for the root account

Enter a secure password for the root account, which has full administrative privileges.

Be sure to store it safely and use it for connecting to the MySQL Server in the future.
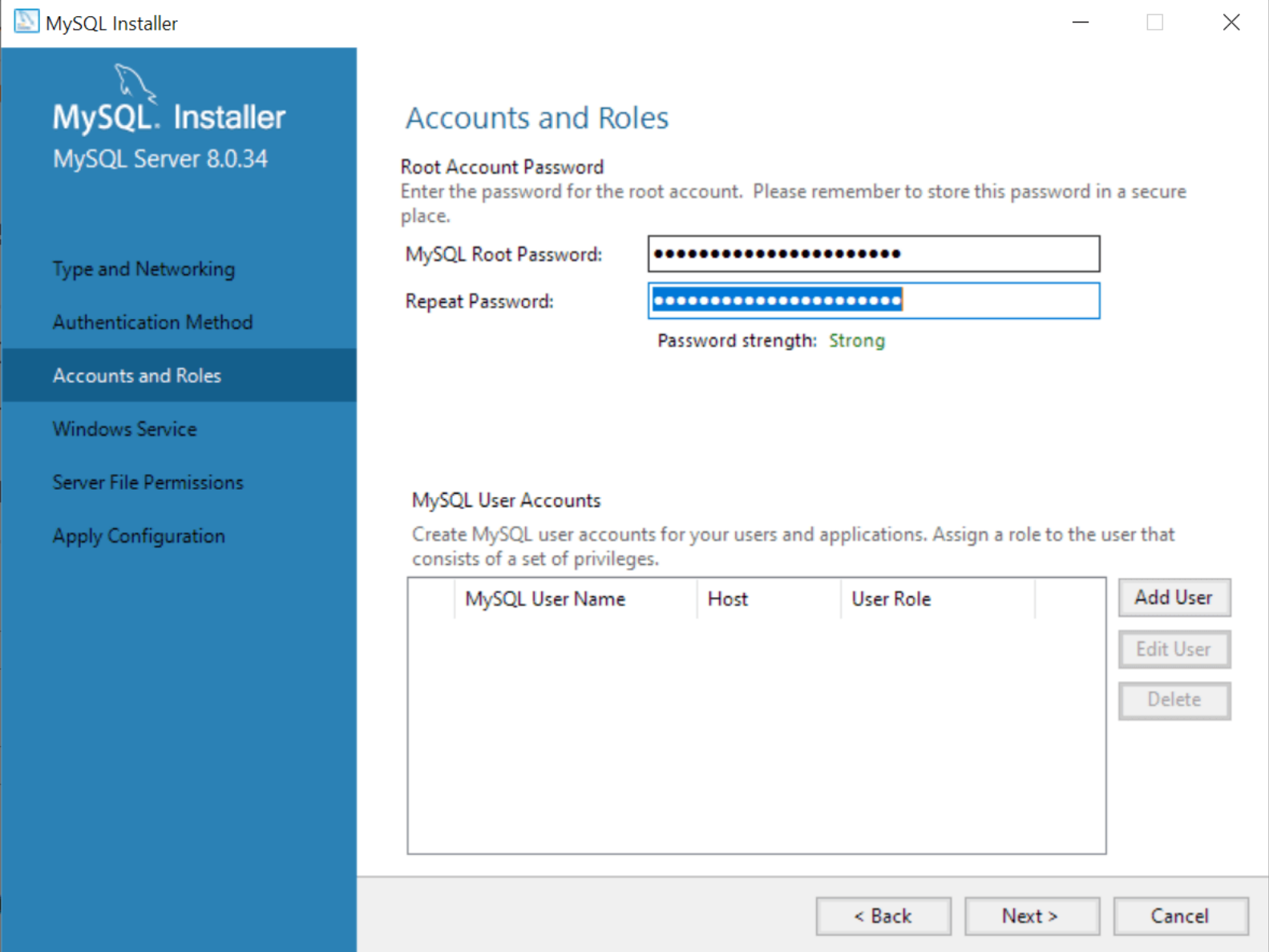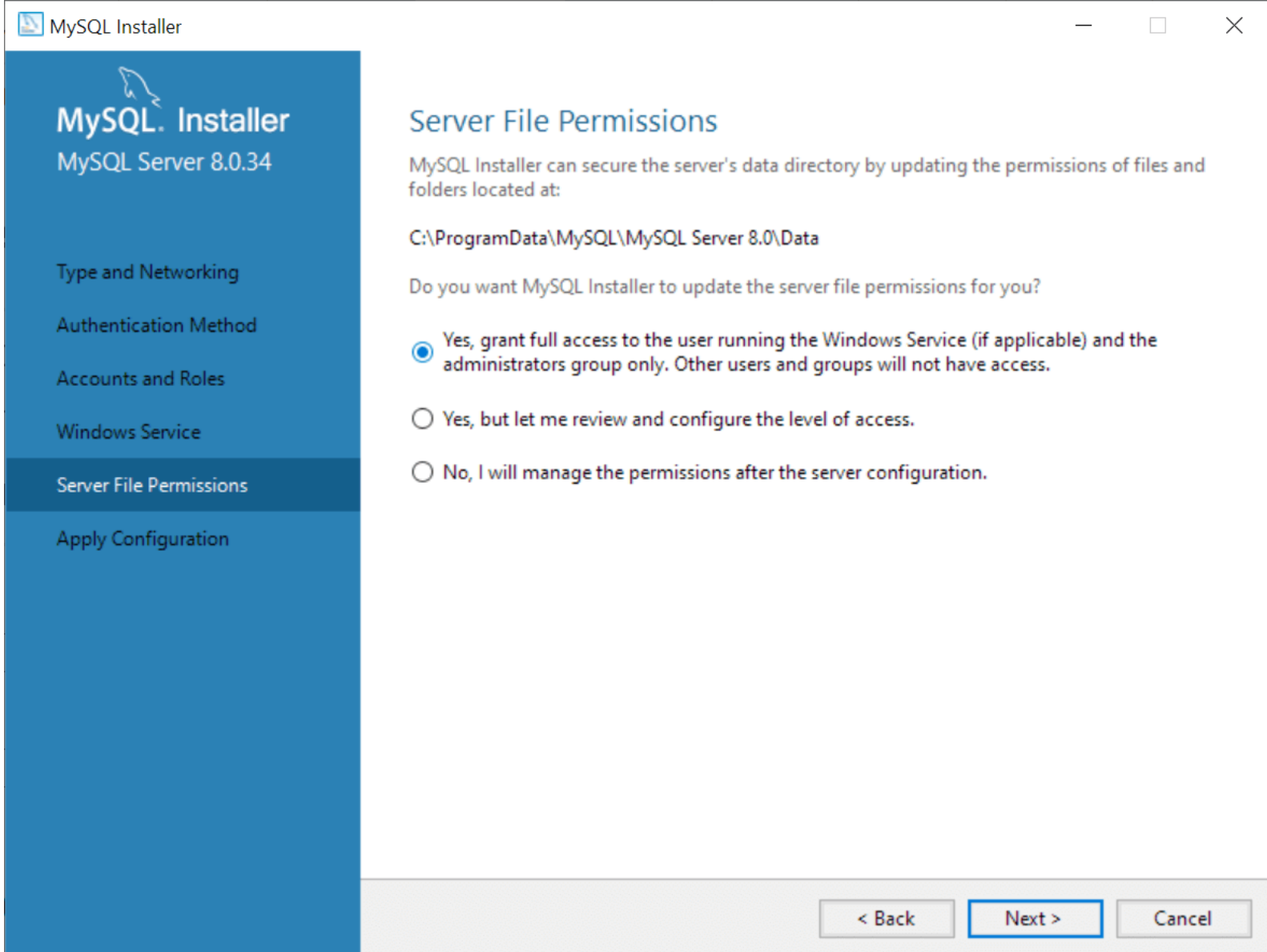
Step 8. Configuring MySQL Server as a Windows Service

In this step, you can configure the MySQL Server as a Windows service, specify a service name, and choose whether to start the MySQL Server during the operating system startup.
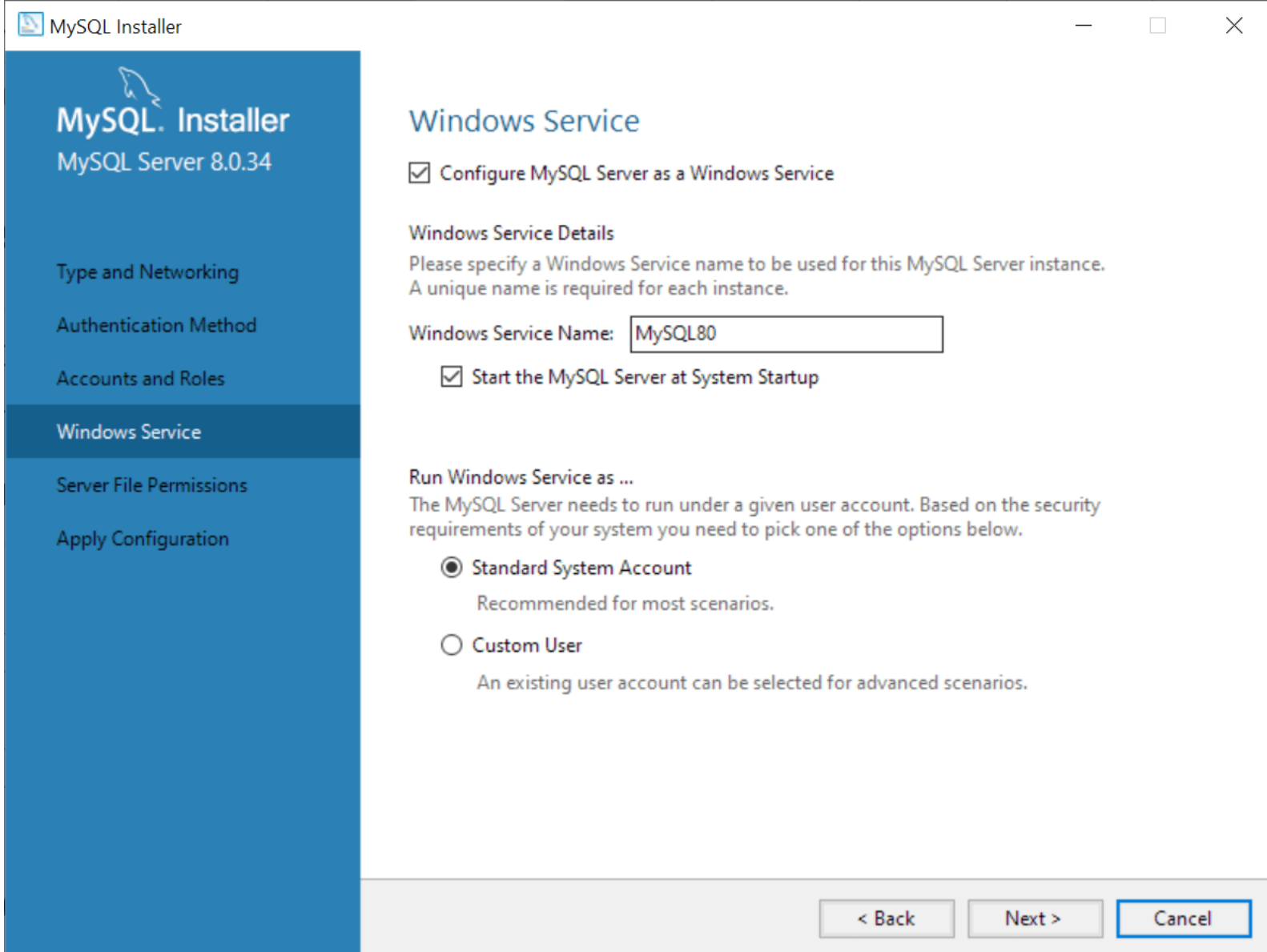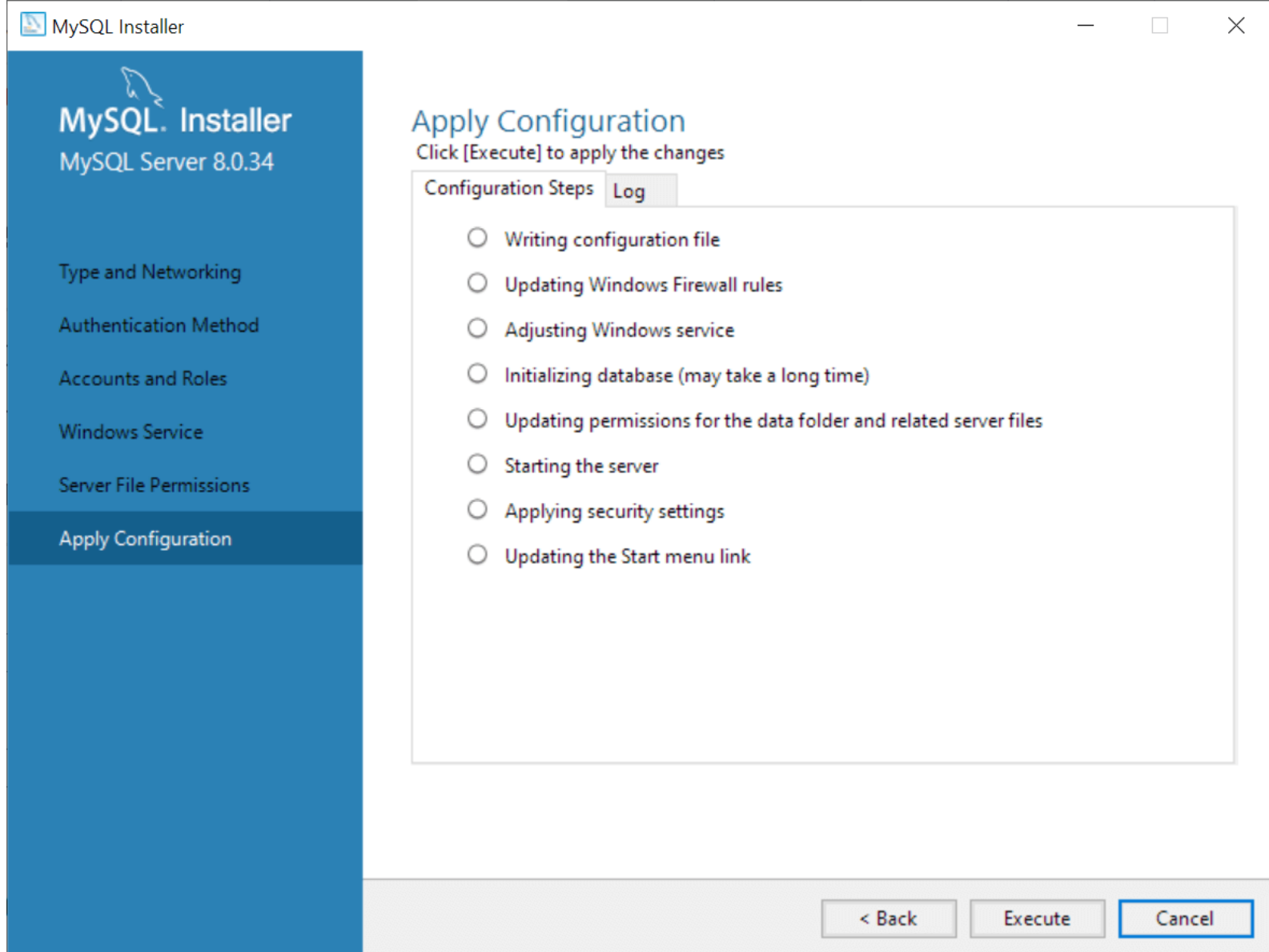
Step 9. Granting file permissions

In this step, you grant permission to MySQL to access the data directory.

Step 10. Displaying the selected configuration

The MySQL Installer displays a window with the configuration steps. Click the **Execute** button to apply the configuration.
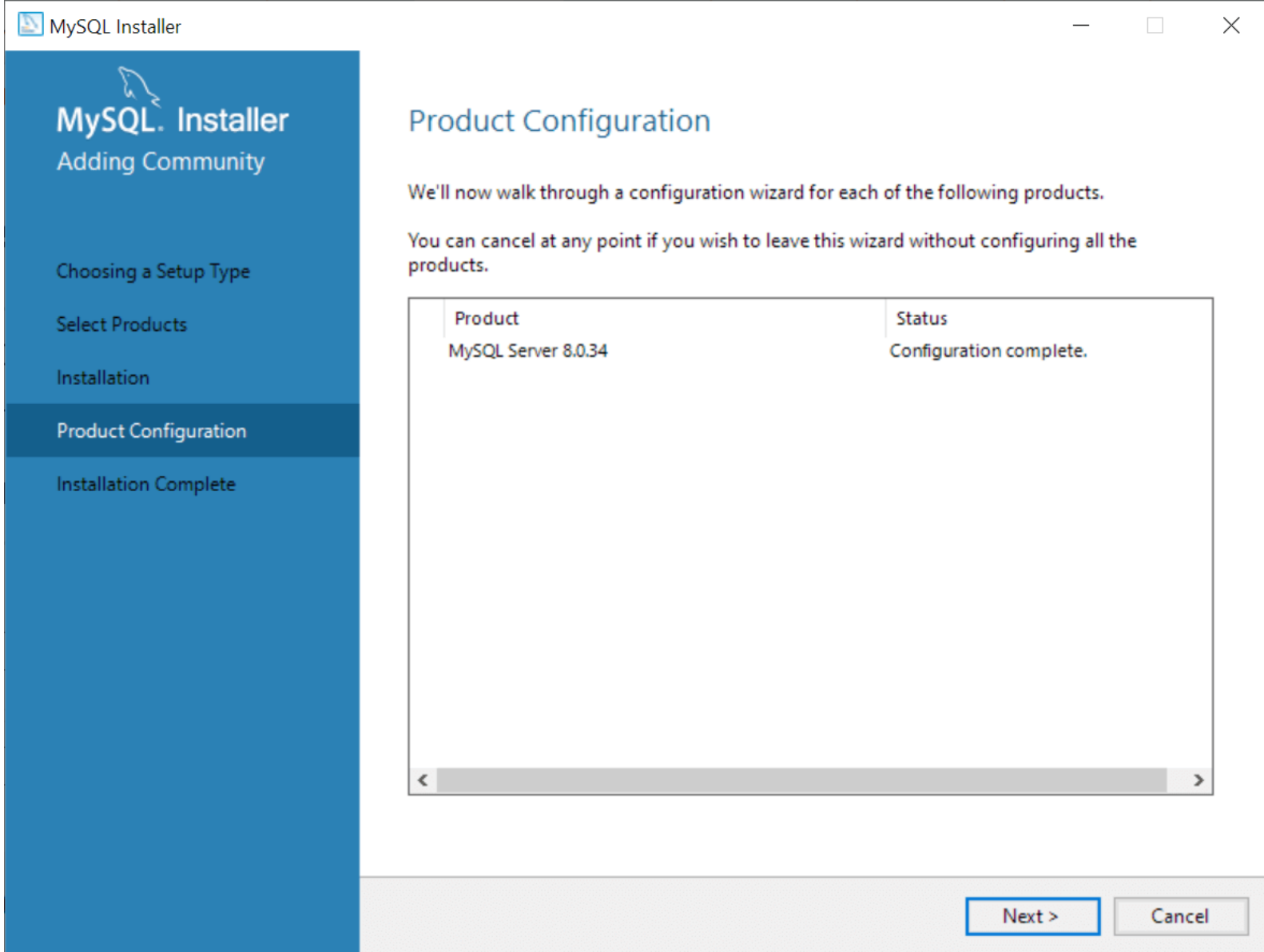
Step 11. Completing configuration

After applying the configuration, the MySQL Installer displays the following window to indicate whether the MySQL Server has been configured successfully.
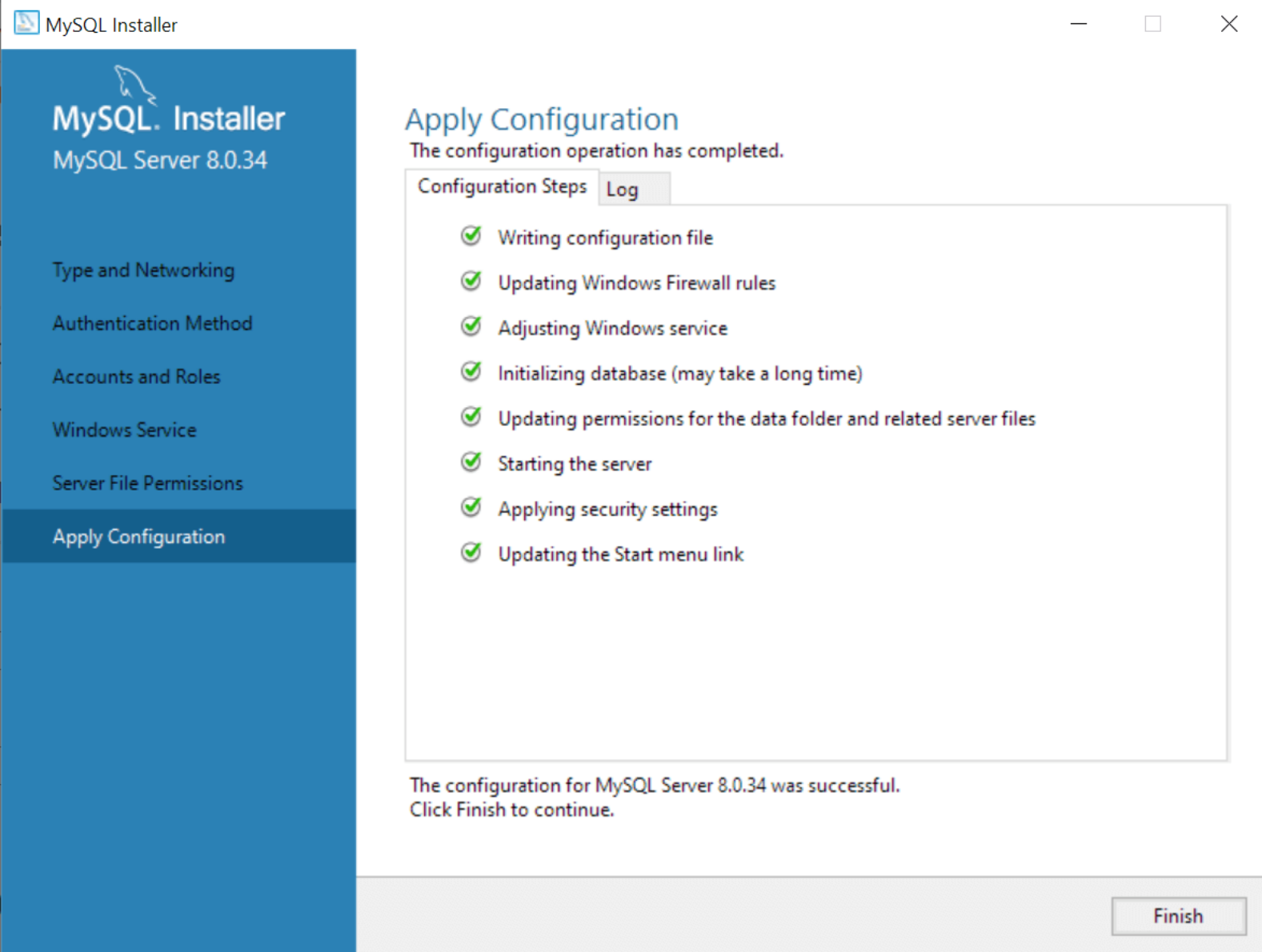
After completing the configuration, click the **Next** button to confirm and finish.

Step 12. Completing installation

The MySQL Installer displays a window to notify you that the installation is complete. Click the **Finish** button to close the installer.

MySQL Installer

MySQL. Installer
Adding Community

Choosing a Setup Type

Select Products

Installation

Product Configuration

Installation Complete

Installation Complete

The installation procedure has been completed.

[Copy Log to Clipboard]

☐ Start MySQL Workbench after setup
☐ Start MySQL Shell after setup

The MySQL Shell is an advanced MySQL client application that can be used to work with single MySQL Server instances. Further, it can be used to create and manage InnoDB Cluster, an integrated solution for high availability and scalability of MySQL databases, without requiring advanced MySQL expertise.
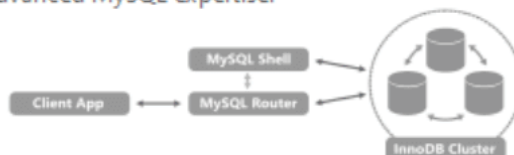
Refer to the following links for documentation, tutorials and examples on MySQL Shell:

MySQL Shell Documentation   Setting up a Real World Cluster Blog
The All New MySQL InnoDB ReplicaSet Blog   Changing Cluster Options Live Blog

[Finish]

In this tutorial, you have learned how to install MySQL on your Windows using the MySQL installer.